

The Tendency of Manganese Ship-Building
Steel to Crack During Welding, by S.
Gintsburg, Z. B. Dreizenshtok.

RUSSIAN, per, Avto Delo, Vol XI, No 8,
1940, USSR.

B.S.A. Res Group
OT/1311

Sci - Engineering, ~~Mineralogical~~

30,086

Preventing Explosions in Liquid-Air-Fractionating
Apparatus, by P. Z. Durov, I. P. Kshlin.

RUSSIAN, par, Avtogen Dalo, No 1, 1941.

AEC Tr

UKSR

Scientific - Engineering

17,021

ФИЛОТОВ, И.

Автотенное Дело, vol. 12, 850 words; 1941.

Welding Chromium-nickel Stainless to Plain
Carbon Steel.

Brutcher Trans, Order No. 1135, \$1.20

A Method of Determining the Tendency of
Steel to Crack on Welding, by Ya. S.
Gintsburg, Z. B. Dreizenshtok, E. B.
Kharabkovskiy.

RUSSIAN, per, Avto Delo, Vol XII, No 3,
1941.

B.S.A. Res Group
OT/1312

Sci - Engineering, Metals, ~~Metals, Materials~~

30,087

The Weldability of Special Steels, by A. M.
Shashkov.

RUSSIAN, per, Arto Delo, Vol XII, No 6,
1941.

B.S.A. Res Group
OT/1313

Sci - Engineering, Minerals/Metals

30,088

SECHERKANTHO, A.

Avtogennoe Delo, vol. 8, nos. 11-12, 2 figures;
3 tables, 1800 words; 1946.

An Experiment in Arc Welding with Paired
Electrodes.

Brutcher Trans, Order No. 2065, \$3.15

HASKIN, D. M.
MEDOVAR, D. I.

Avtopromozhnoe Delo, vol. 17, 1946, No. 1, pp. 11-12;
1 table, 1400 words.

Influence of Particle Size of Flux upon Dimensions^J
of Weld in Unionmilt Welding.

Brusher Trans, Order No. 1876, \$ 2.45.

TARAN, V.D.

AVTOREK DELO, vol 17, No 2, 1946

Method of Determining the Weldability of Steel

Brutchen Trans 1874, \$2.65

TARAN, V. D.

Avtogennoe Delo, vol. 17, nos. 3-4, 9 figures,
2200 words; 1946.

Electric Welding with Series-fed Arcs.

Brutcher Trans, Order No. 1905, \$3.30

BARKEI, D. M.
MEHOVAR, B. I.

Aviatsionnoe Delo, vol. 17, 1946, Nos. 5-6,
pp. 7-10; 1 figure, 2 tables, 1000 words.

On the Stabilizing Properties of Welding Fluxes.

Brutcher Trans, Order No. 1963, \$ 1.75.

SLUTSKAYA, T. M.

Avtogennoe Delo, vol. 17, no. 7, 10 figures,
3 tables, 2000 words; 1946.

Welding of Low Carbon Steel in Frosty
Weather.

Butcher Trans, Order No. 1962, \$3.00

LIPNITSKII, I. A.

Avtogennoe Delo, vol. 8, no. 2, 3 tables,
1500 words; 1947.

Melting Rate of Electrodes as Function of
Internal Energy of Crystal Lattice of
Oxides in Coating.

Brutcher Trans, Order No. 1996,, \$2.65

Reactions of Silicon and Manganese in Submerged
Arc Welding of Low-Carbon Steel, by K. V. Lyubav-
skiy.

RUSSIAN, par, Artegounes Delo, Vol XVIII, No 7,
1947, pp 1-10.

Henry Bratcher 4331
\$12.75

Sci - Engr

Jan 59

78,633

Facing of Steel with Bronze by Use of the Electric
ARC Arc, by V. A. Ivanov, A. V. Shardin, P. I. Shorin,
6 pp UNCLASSIFIED

RUSSIAN, pr. Avtoennoe Delo, Vol XVIII, 1947,
p 28.

SEE ARC Tr 1904
Brutcher Tr 2086,
\$2.10

Scientific - Electricity

15,132

TARAN, V.D.

Avtogennoe Delo, vol. 18, No. 9, 11 figures,
1 table, 4400 words; 1947.

On Welding in Wintry Weather.

Brutchar Trans., Order No. 2257, \$7.70.

Electrode Coatings for the Welding of Low Alloy
Steel, by A. H. Shashkov, S. K. Avgintsev,
T. N. Dubova.

RUSSIAN, per: Avto Delo, Vol XVIII, No 9, 1947,
pg 17-20.

Brutcher TR No 2191

Scientific - Minerals/Metals

\$5.75

2716

OSTAPENKO, E. G.
KUCYAR, B. I.

Avtoennoe Selo, vol. 9, 1947, No. 11, pp. 16--20,
11 figures, 2500 words.

Radiographic Study of Arc Zone in Submerged
Automatic Welding.

Brücher Trans, Order No. 2121, \$ 4.35.

Automatic Arc Welding of Structures of Low Carbon
Steel at Subnormal Temperatures, by B. I. Madovar,
A. E. Annis.

RUSSIAN, per, Avto Delo, Vol XVIII, No 12, 1947.

Brutcher Tr No 2162

Scientific - Minerals/Metals

\$4.85

14,531

ELISTAROV, P. S.

AVTOGENE DELO, vol 19, No 4, 1948

Coatings of Steel Electrodes for the Welding of Cast
Iron

Brutcher Tr 2163, \$4.35

(FID 19624)

V. P. Wikitin, Scientist and Patriot, by G. A.
Maslov, 5 pp.

RUSSIAN, no par, Avtogen Delo, No 5, Moscow, May 1948,
p 15.

CIA/FID/U-5578

USSR

Sci - Engineering, perestroika

Mar 54 CTS

11,621

SEMPALIN, V.I.

AVTOGENNIE DELO, vol 19, #6, 1948

Some Cases of Failure of Welded Tanks at Low Temperature

SLA - R - 1878

Brutcher Trans 2241, \$2.30

Antagon Delo Vol 19, # 8, pp 22 (1948)

Quality Comparison Between Pressure
Welded Pipe and Arc Welded Pipe
S. M. Karadziewski

Brutche Draw. # 2515

Interaction of Elements and Their Oxides in the
Weld Pool, by Dobrokhotoy. UNCL

RUSSIAN, per, Avtogennoye Delo, No 9, 1948.

*HB 4822

Sci - Chem

Jun 60

Interaction Between Elements and Their Oxides in
Weld Puddles, by K. V. Lyubavskiy.

dd
RUSSIAN, per, Avtogennoye Delo, Vol XIX, No 10,
1948, pp 30, 31.

HB 4861

Sci - Chem

Oct 60

129,140

LAPIERRE, V. A.

Avtogennoe Delo, vol. 19, No. 12, 6 figures,
8 tables, 2900 words; 1948.

Electrodes for the Hard Facing of Cutting Tools.

Brulcher Trans, Order No. 2302, \$ 4.80.

Sov: Problems of Metallurgy in Connection
with Automatic Submerged-Arc. Welding of
lg-1 Steel, by K. V. Lyubavskiy, 15 pp.

RUBSTAN, par, Avtogennoe Delo, Vol XX, No 4,
1949, pp 1-7. (loan copy only)

SIA R-1864

Sci
Aug 58

70,899

GERASIMENKO, I. N.
LAPITSKAYA, E. M.

Avtogennoe Delo, vol. 20, no. 4, 4 figures,
4 tables, 1650 words; 1949 *pp 7-9*

Automatic Arc Welding of 13-8 Ti Stainless
Steel.

Brutcher Trans, Order No. 2337, \$2.50

Flux Backings in the Submerged Arc Welding of Vessels,
by I. R. Gerasimenko

RUSSIAN, per, Avto Delo, Vol XX, 1949, No 3,
pp 16-17.

Latvian Tr. No 2999

SLA R-1882

1377

Scientific - Welding

Price \$2.90

ZVEGINTSEVA, K. V.

Avtogennoe Delo, vol. 20, 1949, no. 7,
pp. 1-4; 3 figures, 5 tables, 2100 words.

Multiple Arc Welding.

Brutcher Trans, Order No. 2459, \$3.65

Antony Del # 7, p 18 (1949)

How an American Firm Appropriated a
Russian Invention

A.A. Vel'min

Kci Mu. Lih
E.B - 50/2897

REZANTSEVICH, V. P.

ELICH, I. A.

Aviatsionnoe Delo, vol. 20, 1967, No. 9, pp. 3-6,
9 figures, 1 table, 2100 words.

Submerged Automatic Welding at High Current
Densities.

Brutcher Trans, Order No. 2480, \$ 3.85.

Induction Heat Treatment of Welded Joints of Carbon Steel, by V. V. Aleksandrov, T. A. Vashchurova.

AV, auto
RUSSIAN, *1* Delo, Vol XX, *2* No 8, 1949, pp 20-23.

Butcher Tr 2529

Scientific - Min/Metals

\$1.35

12,922

Autogen Dials, No 9, 1949 pf. 10-14

"Electron Arc Welding of
Electron in an Argon Atmosphere"

Ts. S. Braude

Proj 8088

CD 7025.1

SR 207-61950

Antigen No. 10 - 1/50
Addition of polyphosphates to industrial
Extract from - ^{p 17} 1-368
5820

Welding Steel 118-8 with Mo.

- I. Z. Kagan

SR 26 June '50

Autogennoye delo - 9/50 - p 28

"Method for Repair of Disk Milling
Cutters" - V. N. Gofman

T-368

Proj. No. 7385

NOV 24 1950

Primary Structure and Causes of Weld Hot Cracking of
Chromansil-Type Steel, by S. V. Avakyan, M. F.
Lashko.

RUSSIAN, per, Avtogennos Delo, Vol. XXI, No 10, 1950
pp 13-16.

Brutcher Tr 3983
\$7.25.

Sci - Min/met
Mar 58

60,368

Particulars on the Coatings of the Russian Welding
Electrodes MEZ-04 and MEZ-K, by N. N. Kryukovskii.

RUSSIAN, Avtogennoe Delo, Vol 21, 1950, No 12, p 28

Brutcher Tech Tr No 2856

Ways of Minimizing Porosity of Weld Metal in
Submerged Automatic Welding of Construction Sites,
by A. S. Pal'kevich

RUSSIAN, *Tr. Avto Delo*, Vol XXII, No 3, 1951,
pp 21-23.

Brutcher Tr 3075

Scientific - Minerals/Metals
CTS/DEX Price \$4.90

SLA R-1881

5928

Is Columbiu Necessary in the Miller Wire
for Welding 18-8 Stainless? by I. Z. Kagan,
7 pp.

RUSSIAN, per, Avtogenoe Delo, Vol XXIX,
No 4, 1951, pp 26-27. (loan copy only)

SLA R-1863

341
Aug 58

~~7-5-58~~
A-4664

On the Mechanism of Starting the Arc in ¹Electric Weld
ing, by M Ya Broun, G I Pogodin-Alekseev.
UNCLASSIFIED

RUSSIAN, Avto Delo, Vol XXII, 1951, No 8, pp 16-17.

Butcher Order No 2892
Price \$3.45

Scientific - Metallurgy

461

On the Problem of Defining the Meaning of
the Term "The Weldability of Metals", by A. I.
Krasovskiy.
RUSSIAN, per, Avto Delo, Vol XXII, No 9,
1951.

B.S.A. Res Group
OT/1316

Sci - Engineering, Minerals/Metals

30, 184

V
On the Definition of the Term "Weldability,"
by L. A. Fridyland.

RUSSIAN, per, Avto-DeLo, Vol XXII, No 9,
1951.

B.S.A. Res Group
OT/1315

Sci - Engineering

30.083

Definition of the Concept of "The Weldability
of Metals", by A. A. Alov.

RUSSIAN, per, Avt. Delo, Vol XXII, No 9, 1951.

B.S.A. Res Group
OT/1317

Sci. - Engineering, ~~XXXXXXXXXX~~

30,081

The Effect of Chemical Composition of
Some Binary Aluminium Alloys on Their
Cracking Tendency in Gas Welding, by
S. V. Avakyan, N. F. Lashko.

RUSSINA, per, Avto Delo, Vol. XXII,
No 10, 1951.

B.S.A. Res Group
OT/1318

30,052

Sci - Engineering, ~~Mineralogy~~

CHEMISTRY

62-20161

I. Ninburg, A. K.

Ninburg, A. K.
THE EFFECT OF OXYGEN PURITY ON THE
FLAME GROOVING PROCESS. [1962] [18] p. 2 refs.
Order from CTS or SLA \$1.60 62-20161

Trans. of Avtogennoe Delo (USSR) 1951, v. 22
[no. 10] p. 13-16.

DESCRIPTORS: *Oxygen, Impurities, *Cutting
torches, Effectiveness, Experimental data.

Oxygen purity has a substantial effect on the oxygen
groove cutting process. Oxygen groove cutting on
ordinary low carbon steel is impossible when the
oxygen purity is less than 95%. For each grade of
oxygen purity, there is an optimum cutting speed
which corresponds to maximum cutting efficiency and
minimum specific oxygen consumption. When, in the
purity range of 99.5% to 97.0%, the oxygen purity is
(Machinery--Manufacturing, TT, v. 9, no. 11) (over)

Office of Technical Services

A Study of Welded Joints Between Stainless and
Low Carbon Steels, by N. YU. Palchuk.

RUSSIAN, per, Avto Delo, Vol XXII, No 12,
1951.

B.S.A. Res Group
OT/1319

Sci. - Engineering, ~~Memorandum~~

30,077

The Effect of the Composition of Aluminium
Alloys on their Tendency to Cracking During
Welding, by S. V. Avakyan, N. P. Lashko.

RUSSIAN, per, Avto Delo, Vol XXII, No 12,
1951, 7-9. 9091201

B.S.A. Res Group
OT/1320

Sci - Engineering, ~~Mechanics/Materials~~

License Taken 30, 178
CIA R-1582

Influence of Hygroscopic Moisture of Coating Upon
Some Properties of Welding Electrodes, by E. D.
Lonskil.

RUSSIAN, Avtogennoe Delo, Vol 22, 1951, No 12,
pp 17-19.

Brutcher Tech Tr No 2814

New Arc Welding Process for Cast Iron, by K. K.
Khrenov and F. S. Vol'fovskaya, UNCLASSIFIED

pp 3-6. Avtozashchita Delo, Vol 23, 1952, No 1,

Butcher Order No 2919

Scientific - Metallurgy, welding, iron

February 1953

Flash Butt Welding of Different Metals, by
G. V. Nedzvetskiy.

RUSSIAN, per, Avtogennoye Delo, Vol XXIII,
No 1, 1952, pp 14-16.

DSIR LLU RTS 1641

Sci - Engr

Oct 60

130,740

Temperature Distribution in the Welding Flame
and Its Effect on Cracking in Thin Chromansil,
by N. N. Rykalin, M. Kh. Shorshorov.

RUSSIAN, per, Avto Delo, Vol XXIII, No 2, 1952.

B.S.A. Res Group
OT/1322

Sci - Engineering, ~~Microscopy/Metals~~

30,250

Argon-Arc Welding for Duraluminum, by Engr F. E.
Tretyakov, 12 pp. UNCLASSIFIED

Full translation.

RUSSIAN, no per, Avto Delo, No 2, Feb 1952, pp 10-13.

ARC F-18-78*3

Scientific - Engineering, minerals, metals, welding,
Duraluminum

Kazemov, Yu. I.
SINGLE PASS WELDING OF 1Cr18Ni9T STEEL WITH
A CERAMIC BACKING. [1963] 5p.
Order from OTS or SLA \$1.10

63-16840

Trans. of Avtogazov Delo (USSR) 1952 [v. 23] no. 8,
p. 22-23.
Another trans. is available from LC or SLA ml\$1.80,
ph\$1.80 as 60-17195, DSIR LLU M. 1361 [1960] 2p.

DESCRIPTORS: *Stainless steel, *Welding, Steel,
Pipes, *Ceramic materials, Rings, Materials.

(Metallurgy, TT, v. 10, no. 6)

63-16840

1. Title: Packing rings
I. Kazemov, Yu. I.

Office of Technical Services

Problems Associated With the Weldability
of Metals, by N. N. Novozhilov.
per,
RUSSIAN, *Avto Delo*, Vol XXIII, No 8, 1952.

B.S.A. Res Group
OT/1324

Sci - Engineering, ~~Materials, Metals~~

30,074

Material and Heat Balances ~~for~~ for Gas-Acetylene
Scarfig and Cutting of Low-Carbon Steels, by A. K.
Nienburg.

RUSSIAN, par, Avtogennoe Delo, ^MMoscow, No 10, 1952,
pp 1-5.

ATS

Sci

Aug 59

94,230

Petrov, A. B.
THE EFFECT OF THE IMPURITIES IN ARGON ON
THE QUALITY OF ARGON-ARC WELDS. [1962] [18]p.
Order from OTS or SLA \$1.60 62-20159

Trans. of Avtozennoo Delo (USSR) 1952, v. 23, no. 9,
p. 5-8.

DESCRIPTORS: *Argon, Impurities, *Arc welds,
Aluminum alloys, Quality control

(Metallurgy, TT, v. 9, no. 11)

62-20159

I. Petrov, A. B.

Office of Technical Services

Influence of Manganese Upon the Mechanical
Properties of Welds and on Their Susceptibility
to Hot Cracking, by E. D. Lonskiy.

RUSSIAN, per, Avtogennoe Delo, Vol XXIII,
No 10, 1952, pp 5-7.

Brutcher (tr No 3007

14,714

Scientific - Engineering

Dec 54 CTS/DEX
\$2.80

On the Problem of the Most Favorable Calcium Carbonate
Content in Electrode Coatings, by V. A. Lapidus,

RUSSIAN, no par, ~~Avtogennoe~~ Delo, Vol XXIII, No 11,
1952, pp 10-13

Brutcher Tr 3225

OTS 62-20160

SEN
Sci - Min/Metals
CES/NER

Price \$4.90

10,451

Welding With a Consumable Electrode in an Atmosphere
of Protective Gases, by K. V. Lyubavskii, N. M.
Novoshilov

RUSSIAN, per, Arto Delo, Vol XXIV, No 1, 1953,
pp 4-8.

Brutcher Tr 3140

Scientific - Minerals/Metals
CTS/DEX Price \$5.90

7855

Submerged Automatic Arc Welding With Several
Electrodes Simultaneously, by V. S. Volodin

Full translation.

RUSSIAN, per, Avto Delo, Vol XXIV, No 2, 1953,
pp 25-26.

Brutcher Tr No 3016

Jul 53 CTB/DEL

Scientific - Engineering

Price \$2.50

3504

The Effect of the Type of Joints and Welding
Techniques on the Incidence of Hot Cracking
in Welds, by K. V. Bagryanskiy.

RUSSIAN, per, Avto Delo, Vol. XXIV, No 3,
1953.

B.S.A. Research Group
OT/1325

Sci - Engineering, ~~30,075~~ Metals

30,075

Cold Arc Welding of Gray Cast Iron Using a
Granular Flux and Gray-Iron Electrodes, by
A. I. Zelenov

RUSSIAN, per, Avto Delo, Vol XIV, No 4, 1953,
pp 7-9.

Brutcher Tr 314

Scientific - Minerals/Metals
CTS/DEX Price \$5.40

9285

Manufacture of Electrodes for the Arc Welding of
Aluminum and Aluminum Alloys, by L. V. Biryukova.

RUSSIAN, per, Avto Delo, Vol XXIV, No 6, 1953, pp 25-26.

Brutcher Tr 3153

Scientific - Minerals/Metals
OTS/DEX

Price \$1.00

7856

Interaction Between Elements and Their Oxides in
Cold Puddle, by N. N. Dobrokhov.

RUSSIAN, per, Avtogennoye Delo, Vol XIX, No 9,
1963, pp 14-19.

HB 4822

1. - Chem

pp 60

127,039

An Autoclave for Electrochemical Investigations, by
V. V. Gerashinov, A. I. Gromova, A. A. Subinin, 8 pp.

RUSSIAN, OK, Artonlov dlya Elektrokhimicheskikh
Issledovaniy, 1966, 9094546

AEC SCL-3-372

Sci - Chem
Dec 61

176.833

The Welding of Steel Kh5M Tubes, by A. G.
Mazel, I. S. Livshitz, M. Ya. Chushenkova,

RUSSIAN, per, Avto Delo, Vol XXIII, No 7,
1958.

B.S.A Res Group
OT/1323

Sci - Engineering; ~~Manufacturing~~

30,073

Weldability and Cracking Tendency in Welding,
by Ya. S. Gintsburg.

RUSSIAN, per, Avto Delo, Vol XXIII, Feb
1952, pp 28-29.

B.S.A. Res Group
OT/1321

Sci. - Engineering, ~~Materials~~

30,077

Selfexcited Oscillations, by A. A. Kharkevich, 181 pp.
RUSSIAN, bk. Avtokolebaniya, Moscow, 1953, pp 1-170.
7691007-1

FTD-TT-63-748

Sci - Phys
Feb 64

248,248

Self-Excited Vibrations in Hydraulic Systems of
Machine Tools, by I. Z. Zaichenko.

RUSSIAN, in, Avtokolebaniya v Gidrosredachekh
Metallorezhushchikh Stankov, Mashgiz, 1958, 220 pp.

DSIR LLU

Sci - Engr

Sep 60

125,568

The Oscillations of Rotors, by M. Ya. Kushul'.
RUSSIAN, bk, Avtokolebaniya Rotorov, Moscow,
1963, 168 pp.

*CB

Sci - Phys
Feb 64

Self-Oscillating Systems, by K. F. Teodorchik,
195 pp.
RUSSIAN, etc., Avtokolebatel'nyye Sistemy, 1952,
271 pp.
ACSI J-3539
ID 2204049167

Sci/Phys
Mar 68

349,836

Road Surfacing of Pre-cast, Prestressed
Reinforced Concrete, by B. I. Smolka.
RUSSIAN, per, Avtom Dorogi, Vol. 26, No 11,
1963, pp 5-10
GB93/RIC 1233

NLL RTS 2745

Sci -
Jul 67

334,131.

Automatic Machine for Sorting Balls 3 to 8 mm
in Diameter, 2 pp, (AF 738318).

RUSSIAN, pamphlet, Avtomat Mayl Sortirovki
Shrikov po Diametri ot Nr 3 do No 8 mm, 1955,
Moscow. CIA 542790

ATIC F-TS-0028/III

Sci - Eng
Jul 57

49,185